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PTO/SB/05 (11-00)  
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# UTILITY PATENT APPLICATION TRANSMITTAL

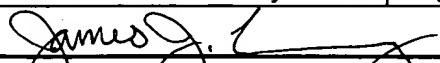
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. CARDE.57307

First Inventor Brady Esch

Title Methods and Devices for Occluding a Vessel and Performing Differential Perfusion

Express Mail Label No. EF415559361US

<b>APPLICATION ELEMENTS</b> <small>See MPEP chapter 600 concerning utility patent application contents.</small>		<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, DC 20231	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original and a duplicate for fee processing)</small>		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)	
2. <input checked="" type="checkbox"/> Applicant claims small entity status. <small>See 37 CFR 1.27.</small>		8. Nucleotide and/or Amino Acid Sequence Submission <small>(if applicable, all necessary)</small>	
3. <input checked="" type="checkbox"/> Specification [Total Pages <b>35</b> ] <small>(preferred arrangement set forth below)</small> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul>		a. <input type="checkbox"/> Computer Readable Form (CRF)	
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [ Total Sheets <b>11</b> ]		b. Specification Sequence Listing on: <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> paper</li> </ul>	
5. Oath or Declaration [ Total Pages <b>4</b> ] <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d))  <small>(for continuation/divisional with Box 18 completed)</small> <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b>  <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small> </li> </ul> </li> </ul>		c. <input type="checkbox"/> Statements verifying identity of above copies	
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		17. <input type="checkbox"/> Other: .....	
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: <input type="checkbox"/> Continuation <input checked="" type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP)    of prior application No.: <b>09 / 256,263</b> <small>Prior application information:</small> Examiner <b>Kevin Sirmons</b> Group Art Unit: <b>3763</b>			
<b>19. CORRESPONDENCE ADDRESS</b>			
<input type="checkbox"/> Customer Number or Bar Code Label <div style="border: 1px solid black; display: inline-block; width: 300px; height: 20px; vertical-align: middle;"></div> <small>(Insert Customer No. or Attach bar code label here.)</small>		or <input checked="" type="checkbox"/> Correspondence address below	
Name <b>Gunther Hanke</b>			
Address <b>Fulwider, Patton, Lee &amp; Utecht</b>			
City <b>P.O. Box 22615</b>		State <b>CA</b>	Zip Code <b>90801-5615</b>
Country <b>US</b>		Telephone <b>(562) 432-0453</b>	Fax <b>(562) 435-6014</b>
Name (Print/Type) <b>James J. Leary</b>		Registration No. (Attorney/Agent) <b>35,237</b>	
Signature 		Date <b>April 3, 2001</b>	

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# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 821.00)

## Complete if Known

Application Number	
Filing Date	
First Named Inventor	Brady Esch
Examiner Name	
Group Art Unit	
Attorney Docket No.	CARDE.57307

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number	
Deposit Account Name	

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					

SUBTOTAL (1) (\$ 355.00)

## 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
54	-20** = 34	x 9	= 306
Independent Claims 7	- 3** = 4	x 40	= 160
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103	18	203
102	80	202
104	270	204
109	80	209
110	18	210
		Claims in excess of 20
		Independent claims in excess of 3
		Multiple dependent claim, if not paid
		** Reissue independent claims over original patent
		** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 466.00)

\*\*or number previously paid, if greater; For Reissues, see above

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

## SUBMITTED BY

Name (Print/Type)	James J. Leary	Registration No. (Attorney/Agent)	35,237	Complete if applicable
Signature			Date	April 3, 2001

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